



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/576,464

04/03/2007

Michiaki Koizumi

060296

7158

23850 7590 08/22/2008
KRATZ, QUINTOS & HANSON, LLP
1420 K Street, N.W.
Suite 400
WASHINGTON, DC 20005

EXAMINER

DAGLAWI, AMAR A

ART UNIT

PAPER NUMBER

2618

MAIL DATE

DELIVERY MODE

08/22/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/576,464	Applicant(s) KOIZUMI ET AL.	
	Examiner Amar Daglawi	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 May 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 and 21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-18 and 21 is/are rejected.
- 7) ☒ Claim(s) 6 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 April 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>04/20/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4, 5, 7-10-18 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Kwon (GB 2347051 A).

With respect to claim 1, Kwon teaches A mobile phone for receiving a video signal and displaying video on a screen, comprising:

an acquiring unit operable to acquire incoming signal information related to an incoming signal or detection information related to detection of a prescribed operation by a user (Abstract, Fig.1, pages 3, lines 17-27, pages 4-5);

a generating unit operable to generate display information related to mobile communication (Abstract, Fig.1; page 3, lines 17-27, pages 4-5)

and a display unit operable to generate downscaled video by downscaling the video being displayed on the screen relative to a size of the displayed video, and display the downscaled video and the display information respectively in a first display area and a second display area obtained by partitioning the screen in two (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 2, kwon further teaches the incoming signal includes ID information identifying an originator and the generating unit generates the display information based on the ID information (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 3, Kwon further teaches the display unit stores ratio information showing an area ratio between the first display area and the second display area and generates the downscaled the video based on the ration information (page 10, lines 11-26, page 11, and lines 1-10).

With respect to claim 4, Kwon further teaches the mobile phone further receives an audio signal corresponding to the video signal, and outputs audio, and the mobile phone further comprises: a volume adjusting unit operable to adjust a volume of the audio output on acquiring the incoming signal information; and an audio output unit operable to output or mute the audio based on the adjusted volume (Fig.1, page 11, lines 14-25, page 12, lines 1-5).

With respect to claim 5, Kwon further teaches the acquiring unit acquires the detection information by detecting a prescribed operation by the user during video display in a standard video display orientation, and the display unit generates downscaled/rotated video as the downscaled video by downscaling and rotating the video 90 degrees from the standard video display orientation, if the detection information is acquired (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 7, Kwon further teaches an operation instruction receiving unit operable to receive an operation instruction from the user; a switching instruction receiving unit operable to receive a switching instruction from the user to switch an operation target; and an operation switching unit operable, on receipt of the switching instruction, to switch the target of an operation based on the operation instruction, from a first function relating to display of the downscaled/rotated video to a second function relating to the display information, or from the second function to the first function.

(Abstract, Fig.1, page 11, lines 14-25, page 12, lines 1-5, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 8, Kwon further teaches the operation switching unit stores output destination information showing one of the first function and the second function as the target of the operation based on the operation instruction, and rewrites the output destination information on receipt of the switching information, from information showing the first function to information showing the second function, or from information showing the second function to information showing the first function, and the operation instruction receiving unit outputs the operation instruction to one of the first function and the second function, according to information shown by the output destination information. (Abstract, Fig.1, page 11, lines 14-25, page 12, lines 1-5, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 9, Kwon further teaches the mobile phone further receives an audio signal corresponding to the video signal, and outputs audio, and the mobile phone further comprises:

an operating instruction receiving unit operable to receive an operating instruction relating to the mobile phone; a volume adjusting unit operable to adjust the volume of the audio output on receipt of the operating instruction; and an audio output unit operable to output or mute the audio based on the adjusted volume (Abstract, Fig.1, page 11, lines 14-25, page 12, lines 1-5, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 10, Kwon further teaches two speaker disposed one on either side of the screen and an audio output unit operable to play audio included in a television broadcast signal in stereo using the two speakers when the two speakers are positioned laterally relative to the video and in monaural using the two speakers when the two speakers are positioned vertically relative to the video (Abstract, Fig.1, page 11, lines 14-25, page 12, lines 1-5, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 21, kwon further teaches the generating unit, when the acquiring unit acquires the incoming signal information or the detection information, generates the display information related to the mobile communication, and the display unit, when the acquiring unit acquires the incoming signal information or the detection information, generates the downscaled video by downscaling the video being

displayed on the screen relative to the size of the displayed video, and displays the downscaled video and the display information respectively in the first display area and the second display area obtained by partitioning the screen in two (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 11, kwon teaches A display method used by a mobile phone that receives a video signal and displays video on a screen, and includes an acquiring unit, a generating unit and a display unit, comprising the steps of:

using the acquiring unit to acquire incoming signal information related to an incoming signal or detection information related to detection of a prescribed operation by a user (Abstract, Fig.1, pages 3, lines 17-27, pages 4-5) ;

using the generating unit to generate display information related to mobile communication (Abstract, Fig.1; page 3, lines 17-27, pages 4-5);

and using the display unit to generate downscaled video by downscaling the video being displayed on the screen relative to a size of the displayed video, and display the downscaled video and the display information respectively in a first display area and a second display area obtained by partitioning the screen in two (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 12, kwon further teaches the incoming signal includes ID information identifying an originator and the generating unit generates the display

information based on the ID information (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 13, Kwon further teaches the acquiring step uses the acquiring step uses the acquiring unit to acquire the detection information by detecting a prescribed operation by the user during video display in a standard video display orientation and the display step uses the display unit to generate downscaled/rotated video as the downscaled video by downscaling and rotating the video 90 degrees from the standard video display orientation if the detection information is acquired (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 14, Kwon further teaches the mobile phone further includes two speakers disposed one on either side of the screen, and an audio output unit, and the display method further comprises the step of: using the audio output unit to play audio included in a television broadcast signal in stereo using the two speakers when the two speakers are positioned laterally relative to the video, and in monaural using the two speakers when the two speakers are positioned vertically relative to the video (Abstract, Fig.1, page 11, lines 14-25, page 12, lines 1-5, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 15, Kwon A computer program applied in a mobile phone that receives a video signal and displays video on a screen, and includes an acquiring unit, a generating unit and a display unit, the computer program causing a computer to

execute the steps of: using the acquiring unit to acquire incoming signal information related to an incoming signal or detection information related to detection of a prescribed operation by a user (Abstract, Fig.1, pages 3, lines 17-27, pages 4-5); using the generating unit to generate display information related to mobile communication (Abstract, Fig.1; page 3, lines 17-27, pages 4-5); and using the display unit to display the incoming signal information or the display information (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 16, Kwon further teaches the incoming signal information includes ID information identifying an originator and the generating step generates the display information based on the ID information (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 17, Kwon further teaches the acquiring step uses the acquiring unit to acquire the detection information by detecting a prescribed operation by the user during video display in a standard video display orientation, and the display step uses the display unit to generate downscaled/rotated video as the downscaled video by downsampling and rotating the video 90 degrees from the standard video display orientation, if the detection information is acquired (Abstract, Fig.1, Figures 3a-3b, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

With respect to claim 18, Kwon further teaches the mobile phone further includes two speakers disposed one on either side of the screen, and an audio output unit, and the computer program further causes the computer to execute the step of: using the audio output unit to play audio included in a television broadcast signal in stereo using the two speakers when the two speakers are positioned laterally relative to the video, and in monaural using the two speakers when the two speakers are positioned vertically relative to the video (Abstract, Fig.1, page 11, lines 14-25, page 12, lines 1-5, page 17, lines 3-13, page 3, lines 17-27, pages 4-5, page 11, lines 22-25, pages 12, lines 1-6).

Allowable Subject Matter

3. Claim 6 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: None of the prior art teaches the display unit, on receipt of new ratio information showing an area ratio between a third display area different in size from the first display area and a fourth display area obtained by partitioning the screen in two, upscales or further downscales the downscaled/rotated video based on the received ratio information, and displays the downscaled/rotated video after upscaling or further downscaling in the third display area and the display information in the fourth display area.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amar Daglawi whose telephone number is 571-270-1221. The examiner can normally be reached on Monday- Friday (7:30 AM- 5:00 AM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yuwen Pan can be reached on 571-272-7855. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Amar Daglawi/
Examiner, Art Unit 2618

/Yuwen Pan/
Primary Examiner, Art Unit 2618